

Amendments to the Specification:

Please replace the title with the following new title:

NUCLEAR MAGNETIC IMAGING APPARATUS AND METHOD USING
CORRECTION DATA ACQUIRED BETWEEN ACQUISITIONS OF
IMAGE DATA

Please replace the paragraph beginning at line 16 on page 9 with the following amended paragraph:

--Next, an embodiment of the MRI method of the present invention, which is applied to a two-dimensional SSFP-EPI, will be explained. Figure 1 is an explanatory view of data acquisition and correction in this embodiment, where the axis of abscissas is time and physical conditions including eddy currents of the apparatus, magnetic field variation, saturation of spins etc. are shown symbolically as a line drawn on the top.--

Please replace the paragraph beginning at line 8 on page 10 with the following amended paragraph:

--A pulse sequence used for the main measurement may be, for example, an EPI sequence shown in Figure 3, where 209 indicates a time length of one sequence and 210 indicates repetition time (TR). That is, an RF pulse 201 is applied to an object to be examined, which includes detectable magnetization, together with a gradient magnetic field pulse 202 for selecting a slice to be imaged. Then a pulse 203 for imparting a phase-encoding offset and a pulse 205 for imparting a readout gradient magnetic field offset are applied. Thereafter, gradient magnetic field pulses 206 with alternating polarity are applied successively.--